

a non-crystal growth surface side with catalyst base 54 inserted and seal material 55. While flowing a mixed atmospheric gas containing an acetylene gas and an argon gas in a ratio of 1:4 at 1.5 atm in the space of the non-crystal growth surface side, a temperature inside heat and pressure-resistant heating furnace tube 51 was set to 960 °C. On the other hand, an argon gas as a carrier gas was supplied to the crystal growth surface side. Thereafter, a ratio of supply of an acetylene gas was gradually decreased to zero while keeping a pressure of the atmospheric gas.